

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: John Shanklin, et al.

Application No.: 10/822,370

Examiner: T. Saidha

Filing Date: April 12, 2004

Art Unit: 1652

Confirmation No.: 2864

Attorney Docket No.: BSA 04-11

Title: **MUTANT FATTY ACID DESATURASE AND METHODS FOR DIRECTED  
MUTAGENESIS**Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## RESPONSE TRANSMITTAL

Sir:

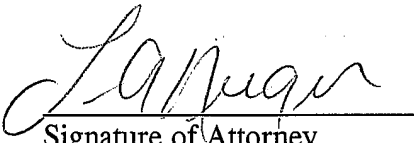
Transmitted herewith are the following to be filed in connection with the above identified patent application.

1. Applicants' Amendment in response to the Office Action mailed October 26, 2006.
2. Terminal Disclaimer to Obviate a Double Patenting Rejection (37 CFR 1.321(c)).
3. The Commissioner is hereby authorized to charge all applicable fees to Deposit Account No. 02-3977.

Reg. No. 44,949

Tel. No. (631)344-3035

Date: 4/16/2007

  
Signature of Attorney  
Lori-Anne Neiger  
Type or Print Name of Attorney  
Brookhaven National Laboratory  
P.O. Address  
Upton, New York 11973